



MINUTE OF MEETING DAY

FOURTH PROJECT MEETING IN ST. PÖLTEN

EUROPEAN CNC-NETWORK - PENNY PRESS MACHINE FOR EUROPE

Meeting Description	Fourth Project Meeting in St. Pölten (Austria)
Meeting hosted by	HTL St. Pölten
Minute written by	[NO] Mads Ustad, [NO] Thomas Otterstad.

Date / Place / Time	Activities / Results / Points of importance
<p>Friday 01th April 2022</p> <p>School room G00 013, 09:00</p> <p>09:30 Room WSM010 Room workshop Room V016</p> <p>12:30 School canteen</p> <p>13:30 Room WSM010 Room workshop Room V016</p>	<p>Working and looking forward day</p> <p>Good morning flashlight: Plenum Summary of how far all the groups have come. Group 1 is finished and ready to be tested. Group 2 have done 1 raspberry and 1 Arduino. Group 2 is building on the machine</p> <p>Workgroups 1 Start by replacing two resistors that had been mounted incorrectly and complete the circuit board completely. Then we measured resistance at 12v and 5v and checked that everything was correct.</p> <p>2 Work group two had a few problems, for example missing sd card, little time and bad programming. They don't think they will finish today. Workgroup two started changing rom (10:14) to due to lack of tv and Wi-Fi, after we had changed rooms, we plugged in the Norwegian raspberry and the new sd card. They started to test the screen with a raspberry 4 which didn't support the touch function very well, we plugged it into the Norwegian raspberry which was a nr 3 and it worked. We decided to copy the code which required a bigger sd card than the one copied from. So, Norway, Luxemburg and Spain needed to buy a new sd card.</p> <p>3 There are some problems right now. It's a to big gap between the rollers so it doesn't press a coin yet. They have tried it with a aluminium sheet but they are figuring out right now what the problem is. They are measuring the rollers, the penny press and if there are any mechanical faults they have ignored. The drawings are fine, so the researched this</p> <p>Lunchtime</p> <p>Workgroups 1 Finish with the circuit bord, goes between the other groups.</p> <p>2 After lunch we go back and copied the code and configured all the raspberry's and was finished 4:16.</p> <p>3 Testing the machine and measures whether the machine stretches when we press aluminium plates.</p>

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16:00	<p>Coffee break</p> <p>Discuss: Summary of all groups. Circuit board is almost finished or are finished only that some of the delegations must check the boards. Can't test it here because we need the important cables. Every delegation must do it home. Austria takes care of the cables and find out which cable we need. Raspberry pi is finished and Arduino is only to install at home. One machine ready and finished in the next meeting in Germany is the goal. The gap between the rollers in the machine is too big, so we can't print a 5 cent.</p>
16:37 G00 013	<p>Meeting review</p> <ul style="list-style-type: none"> • Group 1 seems to be on schedule and is happy with the job. • All delegations have control of their circuit board, have checked it and found it in order. Missing cables to circuit boards. • Group 2 believes programming is virtually complete, missing cables so we can test it with circuit board. • Germany takes over the electrical in the meeting in Germany. • Group 3 and 4, have tested the machine with aluminium plates, mounted the engine running. The engravings are too large to print on a 5cent. Too large gap between the rollers. The lagerblock hinten moves when the coin been pressed. The logo on the rollers has the same diameter as a pressed 5cent. <p>Applause to Austria for having a prototype ready for the next meeting.</p> <p>The machine can now print aluminium pieces, but there are problems with mints, and slack in between the rolls, too large a gap. Austria will present a prototype for the next meeting, but the students will not attend the meeting because of exams.</p>
17:30 G00 013	<p>What are the expectations for the meeting in Germany, and what do you need from Germany as a host?</p> <ul style="list-style-type: none"> • Electrical parts and rollers, who can produce the rollers? No solution on the rollers yet. • Everyone checks if it is possible to make the rolls at the respective schools. • Getting one step closer • Find a solution for the mechanical parts <p>Vote: Option 1: fake coin with new rolecosters Option 2: increased diameter of the rollers, less engraving</p> <p>Finally agreed to go for option 1. All delegations will make counterfeit coins for the next meeting. 30 votes for option 1, 6 votes for option 2.</p>
18:30 G00 013	Meeting finished
19:00 Rendi Keller	Farewell dinner